

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: James P. Elia)

Serial No.: 09/064,000)

Filed: April 21, 1998)

For: METHOD AND APPARATUS)
FOR INSTALLATION OF)
DENTAL IMPLANT)

Group Art Unit: 3732

Examiner: Nicholas D. Lucchesi

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SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith, please find Form PTO-1449 (Modified) pertaining to the above-identified application. Copies of the publications and abstracts listed thereon are enclosed. In addition, a Summary of Materials for such publications and abstracts is included for the Examiner's convenience.

The publications and abstracts relate to the growth factors set forth in the instant patent application and are being submitted to the European Patent Office as evidence that such materials are known in the art.

It is believed that none of such publications disclose the growth of a bud and resultant soft tissue on a human patient as a result of the method of the claimed invention prior to the effective filing date of this application

No fee is believed to be due because Applicant and Applicant's attorney were not aware of such publications more than three (3) months prior to this submission. A certification including such facts is enclosed.

Respectfully submitted,

Date: March 19, 2002

Gerald K. White

Gerald K. White
Reg. No. 26,611

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Group Art Unit: 3732

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CERTIFICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Gerald K. White, Attorney for Applicant, hereby state that the references cited in this Second Supplemental Information Disclosure Statement ("IDS") were first discovered by me less than three (3) months prior to the date set forth below.

I further state that no item of information contained in this Second Supplemental IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge, after making reasonable inquiry, no item of information contained in this Second Supplemental IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three (3) months prior to the filing of this statement.

Respectfully submitted,

Date: March 19, 2002

Gerald K. White

Gerald K. White
Reg. No. 26,611

CERTIFICATE OF MAILING

I hereby certify that the attached SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT, including Form PTO-1449, and CERTIFICATION were delivered to the Assistant Commissioner for Patents by the undersigned from Arrow Intellectual Property Services, 2001, Jefferson Davis Highway, Suite 602, Arlington, Virginia 22202, by hand carrying said SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT, including Form PTO-1449, and CERTIFICATION to Art Unit 3732, Building 2, Second Floor, Attention: Examiner Nicholas D. Lucchesi this 20th day of March, 2002.

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Dated: 3/20/02

Ann Rutledge
Printed Name: Ann Rutledge

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EXHIBIT C
SUMMARY OF MATERIALS

GROWTH FACTORS

PUBL. DESIG.	TITLE AND DATE OF MATERIALS	SPECIFIC GROWTH FACTOR(S)/LIVING ORGANISM(S)
AAW	<p><u>Adv. Surg.</u>, 25, 1992, pp. 65-97, "Growth hormones and factors in surgical patients". Herndon et al.</p> <p>A partial review of known growth factors and recombinant technology. 199 references</p>	Recombinant organic growth factors, insulin-like growth factor, epidermal growth factor, transforming growth factor, platelet-derived growth factor, fibroblast growth factor, tumor necrosis factor, interleukins colony-stimulating factor.
AAX	<p><u>Bone Research Branch, National Institute of Dental Research, National Institutes of Health</u>, May 1991, pp. 275-291, "Structure, Expression, and Regulation of the Major Noncollagenous Matrix Proteins of Bone". Young et al.</p>	Osteopontin (Eta-1 OPN)
AAY	<p><u>Mayo Clinic and Mayo Foundation</u>, January 27, 1992, pp. 2310-2312, "A Phase II Study of Recombinant Human Alpha-interferon in Advanced Hormone-Refractory Prostate Cancer". Haelst-Pisani et al.</p>	Interferon
AAZ	<p><u>University of Pennsylvania</u>, 1991, Genomics 9, pp. 283-289, "Bone Morphogenic Protein: Chromosomal Localization of Human Genes for BMP1, BMP2A, and BMP3". Tabas et al.</p>	Bone morphogenic protein
ABA	<p><u>Progen Biotechnik GmbH, Gene</u>, 1989, Jan. 30, 75 (1), pp. 21-30, "Expression of Synthetic genes encoding bovine and human basic fibroblast growth factors (bFGFs) in Escherichia coli". Binder et al.</p>	Bacterial living organism

PUBL. DESIG.	TITLE AND DATE OF MATERIALS	SPECIFIC GROWTH FACTOR(S)/LIVING ORGANISM(S)
ABB	<u>Duke University Medical Center</u> , December 1992, Mol Cell Biol, Dec. 12 (12), pp. 5355-62, "Mitogenic Signaling by colony-stimulating factor 1 and ras is suppressed by the ets-2 DNA-binding domain and restored by myc overexpression". Langer et al.	Bacterial living organism
ABC	<u>National Cancer Institute (NIH)</u> , 1992, J Virol, Dec. 66 (12), pp. 7159-67, "Effects of the human immuno deficiency virus type 1 Tat protein on the expression of inflammatory cytokines". Buonaguro et. al.	Viral living organism
ABD	<u>Cornell University Medical College</u> , 1990, J Biol Chem Dec. 5; 265 (34), pp. 20916-22, "Determination of functional effects of mutations in the steroid 21-hydroxylase gene (CYP21) using recombinant vaccinia virus". Tusie-Luna et al.	Recombinant living organism
ABE	<u>University of Zurich and The Salk Institute</u> , 1985, The EMBO Journal, Vol. 4, No. 8, pp. 1951-56, "Acidic fibroblast growth factor (FGF) from bovine brain: amino-terminal sequence and comparison with basic FGF". Böhlen et al.	Non-recombinant organic growth factor
ABF	<u>University of Heidelberg</u> , 1990, Exp Hematol, Feb; 18 (2), pp. 94-98, "Successful autologous transplantation of blood stem cells mobilized with recombinant human granulocyte-macrophage colony-stimulating factor". Haas et al.	Non-recombinant living organism
ABG	<u>Michigan Cancer Foundation</u> , 1992, J Cancer Res Clin Oncol, 118 (6), pp. 411-19, "Chemical carcinogenesis of the urinary bladder – a status report". Jones et al.	Multifactorial and nonspecific organic growth factor
ABH	<u>Academy of Medical Sciences USSR</u> , 1991, Ann NY Acad Sci, 628, pp. 399-409, "Species-nonspecific action of soluble immunosuppressive factor produced by murine immature erythroid cells". Mitsov et al.	Multifactorial and nonspecific organic growth factor

PUBL. DESIG.	TITLE AND DATE OF MATERIALS	SPECIFIC GROWTH FACTOR(S)/LIVING ORGANISM(S)
ABI	<u>Med. Biol.</u> , 1975, Dec. 53 (6), pp. 427-55, "An experimental analysis of liver development", Dourain.	Multifactorial and nonspecific living organism
ABJ	<u>Cancer Research Campaign, Beatson Laboratories</u> , 1992, <u>Semin Cell Biol</u> , Dec. 3 (6), pp. 423-34, "The haemopoietic stem cell: properties and control mechanisms". Graham et al.	Multifactorial and nonspecific living organism
ABK	<u>Brain Research Institute, University of Zurich</u> , 1992, <u>Curr Opin Cell Biol</u> , 4 (5), pp. 863-68, "Modulators of neuronal migration and neurite growth". Kapfhammer et al.	Mimics extracellular fluid to control cell growth, migration, and function-organic growth factor
ABL	<u>University of California</u> , 1992, <u>Curr Opin Cell Biol</u> , Oct. 4 (5), pp. 772-81, "Signal transduction by integrin receptors for extracellular matrix: cooperative processing of extracellular information". Damsky et al.	Mimics extracellular fluid to control cell growth, migration, and function-organic growth factor
ABM	<u>Northwestern University Medical School</u> , 1992, <u>Science</u> , Dec 11, 258 (5089), pp. 1798-801, "Interleukin-8 as a macrophage-derived mediator of angiogenesis". Koch et al.	Mimics extracellular fluid to control cell growth, migration, and function-living organism
ABN	<u>Rutgers University</u> , 1992, <u>Cancer Res</u> , Oct. 15; 52 (20), pp. 5803-07, "Inhibition of cell attachment by selenite". Yan.	Mimics extracellular fluid to control cell growth, migration, and function-living organism
ABO	<u>Nephrologie</u> , 1992, 13 (3), pp. 109-113, "IGF-1 and phosphate homeostasis during growth", Caverzasio et al.	Inorganic growth factor

List of Patents and Publications For Applicant's Information Disclosure Statement Page 1 of 2

Form PTO-1449 (Modified)
(Use several sheets if necessary)

Docket No.:

Serial No.: 09/064,000

Group No.: 3732

Filing Date: April 21, 1998

Examiner: Nicholas D. Lucchesi

Applicant: James P. Elia

Reference Designation U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
Other Art (including author, title, date, pertinent pages, etc.)							
	AAW	Adv. Surg., 25, 1992, pp. 65-97, "Growth hormones and factors in surgical patients". Herndon et al. A partial review of known growth factors and recombinant technology. 199 references.					
	AAX	Bone Research Branch, National Institute of Dental Research, National Institutes of Health, May 1991, pp. 275-291, "Structure, Expression, and Regulation of the Major Noncollagenous Matrix Proteins of Bone". Young et al.					
	AAY	Mayo Clinic and Mayo Foundation, January 27, 1992, pp. 2310-2312, "A Phase II Study of Recombinant Human Alpha-interferon in Advanced Hormone-Refractory Prostate Cancer". Haelst-Pisani et al.					
	AAZ	University of Pennsylvania, 1991, Genomics 9, pp. 283-289, "Bone Morphogenic Protein: Chromosomal Localization of Human Genes for BMP1, BMP2A, and BMP3". Tabas et al.					
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	ABB	Duke University Medical Center, December 1992, Mol Cell Biol, Dec. 12 (12), pp. 5355-62, "Mitogenic Signaling by colony-stimulating factor 1 and ras is suppressed by the ets-2 DNA-binding domain and restored by myc overexpression". Langer et al.					
	ABC	National Cancer Institute (NIH), 1992, J Virol, Dec. 66 (12), pp. 7159-67, "Effects of the human immuno deficiency virus type 1 Tat protein on the expression of inflammatory cytokines". Buonaguro et. al.					
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

**List of Patents and Publications For
Applicant's Information Disclosure Statement
Page 2 of 2**

Other Art (including author, title, date, pertinent pages, etc.) – CONTINUED		
ABD		<u>Cornell University Medical College</u> , 1990, J Biol Chem Dec. 5; 265 (34), pp. 20916-22, "Determination of functional effects of mutations in the steroid 21-hydroxylase gene (CYP21) using recombinant vaccinia virus". Tusie-Luna et al.
ABE		<u>University of Zurich and The Salk Institute</u> , 1985, The EMBO Journal, Vol. 4, No. 8, pp. 1951-56, "Acidic fibroblast growth factor (FGF) from bovine brain: amino-terminal sequence and comparison with basic FGF". Böhlen et al.
ABF		<u>University of Heidelberg</u> , 1990, Exp Hematol, Feb; 18 (2), pp. 94-98, "Successful autologous transplantation of blood stem cells mobilized with recombinant human granulocyte-macrophage colony-stimulating factor". Haas et al.
ABG		<u>Michigan Cancer Foundation</u> , 1992, J Cancer Res Clin Oncol, 118 (6), pp. 411-19, "Chemical carcinogenesis of the urinary bladder – a status report". Jones et al.
ABH		<u>Academy of Medical Sciences USSR</u> , 1991, Ann NY Acad Sci, 628, pp. 399-409, "Species-nonspecific action of soluble immunosuppressive factor produced by murine immature erythroid cells". Mitasov et al.
ABI		<u>Med. Biol.</u> , 1975, Dec. 53 (6), pp. 427-55, "An experimental analysis of liver development", Dourain.
ABJ		<u>Cancer Research Campaign, Beatson Laboratories</u> , 1992, Semin Cell Biol, Dec. 3 (6), pp. 423-34, "The haemopoietic stem cell: properties and control mechanisms". Graham et al.
ABK		<u>Brain Research Institute, University of Zurich</u> , 1992, Curr Opin Cell Biol, 4 (5), pp. 863-68, "Modulators of neuronal migration and neurite growth". Kapfhammer et al.
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ABM		<u>Northwestern University Medical School</u> , 1992, Science, Dec 11, 258 (5089), pp. 1798-801, "Interleukin-8 as a macrophage-derived mediator of angiogenesis". Koch et al.
ABN		<u>Rutgers University</u> , 1992, Cancer Res, Oct. 15; 52 (20), pp. 5803-07, "Inhibition of cell attachment by selenite". Yan.
ABO		<u>Nephrologie</u> , 1992, 13 (3), pp. 109-113, "IGF-1 and phosphate homeostasis during growth", Caverzasio et al.
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